



DESY Photon Science Users' Meeting 2026
European XFEL Users' Meeting 2026
 in Hamburg, Germany
DESY Auditorium (Bldg. 5) & CFEL Foyer (Bldg. 99)



Friday, Januar 23: Satellite Workshops		Location
10:00 – 17:00	European XFEL European XFEL data workshop	Zoom
Monday, Januar 26: Satellite Workshops		
several days	DESY, European XFEL, EMBL MX satellite meeting	Visit Website
09:00	DESY Temporally Coherent Synchrotron Light Sources	DESY, Bldg. 1b, Seminar room 4ab
12:00	DESY, European XFEL Prospects of Momentum Microscopy at PETRA III, FLASH, and European XFEL	European XFEL
12:30	European XFEL Satellite Workshop on Photon Diagnostics (XPD)	European XFEL, Lighthouse Auditorium
14:30 – 18:00	DESY Community proposal at the seeded FLASH1	DESY, Bldg. 28c, FLASH Seminar room
Tuesday, January 27: European XFEL Users' Meeting (DESY Campus, Bldg. 5, Auditorium)		
Time	Topic	Speaker Affiliation
08:00 – 09:00	Registration	
09:00 – 10:55	Opening Session	Chair: Serguei Molodtsov (European XFEL)
09:00	Welcome/Opening	Federico Boscherini CNR, Trieste
09:05	European XFEL: Current status and future developments	Thomas Feurer European XFEL
09:45	First Lasing of an XFEL Oscillator	Harald Sinn European XFEL
10:15	Update from the European Synchrotron and FEL User Organization (ESUO)	Bridget Murphy Uni Kiel
10:25	European XFEL User Organization and Young Scientist Award	Marc Simon/ CNRS-European XFEL Friedrich Roth IRL / TU Freiberg
10:35	Award talk by the winner of the Young Scientist Award	To be announced
10:55 – 11:25	Coffee break	
11:25 – 12:55	Science session I	Chair: Raphael Jay (Univ. Uppsala)
11:25	Operando Multiscale X-ray Imaging of Defects & Alloying at XFELs in LPBF	Leora Dresselhaus-Marais SLAC
11:55	Time-resolved RIXS of the laser induced insulator-to-metal transition in NdNiO ₃	Thorsten Schmitt PSI
12:25	Ultrafast dynamics of photoexcited states in cerium oxide by pump-probe Ce L3-edge XANES and EXAFS	Paola Luches CNR-NANO, Modena
12:55 – 14:10	Lunch break	
14:10 – 15:40	Science session II	Chair: Volha Chukhutsina (VU Amsterdam)
14:10	Structure of liquid carbon and mixtures of light elements at high pressures	Dominik Kraus Uni Rostock
14:40	Atomic and molecular quantum dynamics at FELs, from stochastic temporal correlations at FLASH to attosecond double pulses at European XFEL	Thomas Pfeifer MPIK, Heidelberg
15:10	Investigating protein anomalous diffusion with coherent X-rays	Anita Girelli Uni Stockholm
From 15:55	Bus transfer from DESY to European XFEL, Schenefeld campus	
16:40 – 19:00	Poster session I – European XFEL (European XFEL, Schenefeld campus)	
19:00 – 22:00	Get together (Lighthouse visitor center, European XFEL, Schenefeld campus)	

Wednesday, Januar 28: Satellite Workshops

9:00 – 12:00	DESY Industry Satellite Meeting 2026: Connecting Science, Services & Standards	DESY, Bldg. 610, Ground floor
9:00 – 12:00	European XFEL Twin bunch mode operation for experiments at HED-HIBEF	European XFEL, Bldg. XHO, Lounge
9:00 – 12:00	DESY XPCS at PETRA IV: Present Status and Future Upgrade Plans for Coherent Application Beamline P10	DESY, Bldg. 28c, FLASH Seminar room
9:00 – 18:30	European XFEL Pump-Probe lasers 2030+	European XFEL, Bldg. XHQ, E1.173
9:30 – 16:30	DESY SAXS/WAXS/GISAXS @ DESY	DESY, Bldg. 15, Auditorium
11:00 – 15:30	DESY DAPHNE4NFDI: Making Data FAIR and AI-Ready	DESY, Bldg. 1b, Seminar room 4ab
12:30 – 16:30	Hereon Helmholtz-Zentrum Hereon GEMS Outstation: Materials Research and High-Resolution Imaging	DESY, Bldg. 94, CXNS Seminar room 01.104
13:00 – 18:00	European XFEL HED-HIBEF satellite meeting: Instrument updates and science highlights	European XFEL, Visitor Centre Lighthouse
13:00 – 16:30	DESY 16th Workshop on X-Ray Nano-Imaging of Biological and Chemical Systems at PETRA III	DESY, Bldg. 28c, FLASH Seminar room

Wednesday, January 28: DESY Photon Science Users' Meeting (FLASH) & Joint Session (DESY Campus, Bldg. 5, Auditorium)

08:30	Registration	Speaker	Affiliation
Chairperson: E. Plönjes (DESY)			
09:00	Welcome	Beate Heinemann	DESY
09:05	Welcome to the FEL Session	Britta Redlich	DESY
09:20	FLASH status und strategy	Markus Gühr	DESY
09:50	FLASH 2020+ Activities - Update	Lucas Schaper	DESY
10:20 – 11:00	Coffee break	Chairperson: K. Tiedtke (DESY)	
11:00	Nitrogen K-edge Time-Resolved XAS for Probing Photoinduced Dynamics in Azobenzene	Rebecca Ingle	University College London
11:20	Femtosecond charge and spin dynamics in a Co ₅₀ Pt ₅₀ alloy	Martin Pavelka	Uppsala University
11:40	Dynamics of CO Photooxidation to CO ₂ on Rutile(110) and Anatase(101) Surfaces	Heshmat Noei	DESY
12:00	Melting, Bubblelike Expansion, and Explosion of Superheated Plasmonic Nanoparticles	Simon Dold	European XFEL
12:20 – 14:00	Lunch break	Chairperson: F. Roth (TU Freiberg)	
14:00 – 16:00	Synergies between FLASH and EuXFEL (Jointly organised session)	Chairperson: F. Roth (TU Freiberg)	
14:00	Visualizing the Three-Dimensional Arrangement of Hydrogen Atoms in Organic Molecules by Coulomb Explosion Imaging	Alice Green	University of Edinburgh
14:20	Electronic Molecular Movies with FELs: The Ultrafast Dynamics of 2-thiouracil	Fabiano Lever	DESY
14:40	Soft-X-ray ARPES from Static to Out-of-Equilibrium Electronic States	Vladimir Stokov	PSI Villigen
15:00	Synergistic ultrafast k-microscopy at FLASH and EuXFEL	Kai Rosnagel	CAU Kiel, DESY
15:30 – 19:00	POSTER SESSION II and Vendor exhibition (DESY campus, Bldg. 99, CFEL)		
19:00 – 22:00	Get together (DESY canteen, Bldg. 9)		

Thursday, 29 January: DESY Photon Science Users' Meeting (PETRA III) & Satellite Workshops (DESY Campus, Bldg. 5, Auditorium)			
08:30	Registration	Speaker	Affiliation
		Chairperson: S. Techert (DESY, Univ. Göttingen)	
09:00	Welcome and Overview DESY Photon Science	Britta Redlich	DESY
09:30	PETRA III Status	Christian Schroer	DESY, UHH
10:00	Research with Photons – Light for the Future: News from the KFS (Committee Research with Synchrotron Radiation)	Christian Gutt (KFS Chair)	Uni Siegen (Germany)
10:15 – 11:00	Coffee break	Chairperson: B. Redlich (DESY)	
11:00	PETRA IV Project Status	Harald Reichert	DESY
11:30	PETRA IV Experimental Program	Kai Bagschik	DESY
12:00	PETRA IV Beamlines with a focus on Imaging	Christian Schroer	DESY, UHH
12:15	PETRA IV Beamlines with a focus on Spectroscopy	Hans-Christian Wille	DESY
12:30	PETRA IV Beamlines with a focus on Scattering and Diffraction	Oliver Seeck	DESY
12:45 – 14:10	Lunch break	Chairperson: S. Roth (DESY, KTH Stockholm)	
14:10	Report of the 'DESY Photon Science User Committee' (DPS-UC) Results of the DPS-UC election	Peter Müller- Buschbaum	TU München
14:20	DESY Photon Science User Award 2025 (ceremony and talk)	Heinz Graafsma (Chair Award commit.)	DESY
14:30	X-ray Vision - revealing hidden structures with chemical imaging	Stephen Price	Finden Ltd./ University of Sheffield
14:50	Macromolecular assemblies in realistic solution conditions	Uri Raviv	Hebrew University of Jerusalem
15:10	Using X-rays to rejuvenate glasses	Giulio Monaco	Univ. Padova
15:30	Quantum technologies meet functional materials: What X-rays can reveal	Martina Müller	Uni Konstanz
15:50	Structural features of lignin based thermosets	Mats Johansson	KTH Stockholm
16:10	Catching Matter in the Act: Real-Time Observation of Phase Transformations at Conditions Approaching 1 Mbar and 5000 K	Emma Ehrenreich- Petersen	DESY Hamburg
15:30 – 19:00	POSTER SESSION III and Vendor exhibition (DESY Campus, CFEL, Bldg. 99)		
Friday, Januar 30: Satellite Workshops			
9:00 – 12:00	Enhancing UX in X-ray Optics: Simulations including AI-driven Applications (second day)		European XFEL